

Questions: Answer in complete sentences please!

1. Would there be more predators or prey in a particular community? Explain.
2. Why are the 2nd level consumers more likely to be affected by the insecticide than 1st level consumers?
3. Explain what may happen to the balance/equilibrium in the ecosystem if disease were to kill off all of the spiders (2nd level consumer) in your food web. Which organisms would increase in population? Why? Which organisms would decrease in population? Why?
4. Describe how humans might change (or are currently changing) the food web, give specific examples.
5. Why can't food chains go on forever in regards to energy? (8th order, 9th order and 10th order consumers?)
6. Identify two individual food chains using the organism's names and arrows.
7. Suppose you have 200,000 kilocalories available at the first trophic level, calculate how many kilocalories would be available at each trophic level and explain how energy is lost.